

Software Release Notice

System: WGS

Release: NASA 3.1

Date: May 5, 2000

Modification Description:

Wallops Station Upgrade

The following changes are planned for Wallops Ground Station software. This release contains test programs to diagnosis reported problems. The following modifications have been completed since the NASA3.0 release.

	Description	Continuous Task #
1.	Added Code to allow manual control of scheduled recorders while executing a schedule, but operator must confirm this action on a "pop-up style" warning screen. (CSC RFS 10)	1644
2.	Corrected queue overflows for tracks of satellites with bad ephemeris. (CSC RFS 10).	1700
3.	Corrected initialization of Marconi instruments for boresight tests. (CSC RFS 10).	1698
4.	Fixed Right Click mouse button for traversing through X-Band and S-Band instruments for both Control/Status and Configuration. (CSC RFS 10).	1688
5.	Fixed bug in Recorder Scheduler which would not stop recorder if recorder needed to be continuously resent Record command. (CSC RFS 10).	1681
6.	Added a flag into the SYSDEFAULT file to enable the station computer to override the Master track start/stop times and recalculate for horizon-to-horizon times. (CSC RFS 10).	1646
7.	Add ADEOS-2 tape media id (CSC RFS 07)	1753
8.	Merge include directories (CSC RFS 10)	1754
9.	Fix scheduling to handle geo sync satellites. (NASA LIEN Item 20)	1775, 1837, 1838
10.	Trap and report time difference between system and acu (NASA GPS Timing Improvement)	1829
11.	Add recState to Makefile for util/com library (CSC RFS 10)	1848

Files Affected:

The files that were developed and/or utilized as part of NASA 3.1 are listed in Attachment 1: NASA 3.1 FILES.

Hardware Requirements:

N/A

Validation Procedures:

NASA 3.1 will be validated on site the week of 5/8/00 and continued daily testing at NASA/Wallops for scheduled satellite passes.

Known Bugs or Limitaions:

Some open DRs may not be resolved in this release due to equipment constraints.

Installation Procedure:

To install this release, create a rel3.1 directory in the /home/aaas/releases directory. Copy Install and nasa3.1.tar.Z in to this directory. From /home/aaas/releases/rel3.1, run. /Install nasa3.1.

The installation script will create new bin and etc directories modify the bin and etc links to look at the new release directories. The old etc directory will be copied to the new etc directory. New executables will be placed in the new bin directory.

Edit sysdlt file:

add ADEOS tape labeling information
geo satellite schedule information

Documentation Affected:

N/A

Comments:

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Approval:

The software modifications described in this release notice has been validated and accepted.

NASA WGS Project Manager

Date

SOFTWARE RELEASED:

The software modifications described in this release notice have been completed and released to ground station operations.

System Manager

Date

NASA Program Monitor

Date

Attachment 1
NASA 3.1 Files

The bin Directory:

AntennaControlStartup
Nasa
NasaStart
Start
Stop
authent
configud
control
dpsHndlr
errhandler
eup
executive
getNtpSyncInfo
ioh
pcltrans
pedcont
postPassShell
rci_client
rci_rmt
rci_server
recon
recsch
resetLANGateway
rmqs
schedmon
snyHndlr
start.awk
start_ntp
status_l
stop.awk
stop_ntp
sup
tapelog
terminal
testexec
time_code_handler
track
uactask
winPrint

The etc Directory:

sysdflt